Clinical Trial Design Immersion

a hands-on training

Build institutional capability.
Empower clinical research teams.
Advance high impact research.

The George Institute for Global Health

Introduction

The George Institute for Global Health invites hospitals, universities, and health research organisations to enrol their researchers and clinicians in a 10-day intensive hands-on training designed to build practical capability in the design and development of Randomised Clinical Trials (RCTs) and protocol development.

This program aims to strengthen individual research performance equipping learners with the skills, tools, and confidence needed to design high quality, fundable trials that directly address real-world health challenges.

Why This Training Matters

Randomized clinical trials are the gold standard for evidence-based health research. As the number of clinical trials registered each year increases steadily, so does the need for capacity in designing and conducting effective trial studies. The George Institute for Global Health (TGI) aims to bridge this gap through our flagship program on Clinical trial design. What makes TGI trainings stand out from the gamut of similar courses in the market is our global expertise and proven track record in conducting high-quality clinical trials. Through our courses, our faculty bring their depth of knowledge through case studies and real-world examples to simplify complex concepts. The training doesn't stop here – it imparts learners with the skills necessary to apply the knowledge in their research context. By taking their research idea from question to a study protocol participants gain confidence to apply their learnings immediately in their roles.

Target audience:

This course is relevant to those looking to build capacity in designing a randomised clinical trial study including clinicians, allied healthcare providers and early-to-mid career clinical and public health researchers, and trial managers.

For institutions and departments, executives and hospital leaders looking to build capacity in clinical trial design and protocol development, this is an excellent opportunity to upskill your research staff. The training additionally provides an opportunity for participants to interact with TGI researchers, opening doors for future collaborations and long-term partnerships.

What you gain from the training:

This program delivers value to both the institution and the individual, aligning organisational priorities with professional development and research excellence.

For Executives and Hospital Leaders

- Improve institutional research capacity
- Attract and retain research oriented clinicians
- Increase competitiveness for national and international funding

For Researchers and Clinicians

- Gain exposure to contemporary trial methods used in real-world settings
- Advance careers in trial design and development
- Gain professional confidence needed to advance to Principal investigator roles
- Develop ethics ready, fundable protocol concept notes
- Receive 1:1 guidance from active global trialists
- Network and collaborate with senior clinical trialists and researchers from other institutions
- Join a global network of trial researchers

Program Highlights

- ***Ready to Use Protocol Concept Note***

  Participants develop a complete, high quality protocol concept note ready for ethics submission or grant application based on their own research idea.

- ***Professionally active trialist faculty***

  Taught exclusively by faculty currently leading large-scale trials–ensuring real-world, practice-based insights.

- ***Global Perspective***

  Access to international expertise, diverse case studies, and insights from health systems around the world.

- ***Assured Competency gain***

  Interactive lectures, guided protocol development, stats labs, and personalised support.

- ***Research Risk Reduction***

  Targeted modules on recruitment, consent, data integrity, and risk proportionate monitoring to improve trial quality.

- ***Networking Opportunities***

  Connect with TGI researchers and build long lasting professional relationships.

Pre-requisites

Interested participants should:

- Be proficient in English
- Have an interest in clinical and public health research
- Possess basic knowledge of biostatistics
- Be able to commit to a 2-week immersive program

Learning Outcomes

By the end of the in-person training program, participants will be able to:

- Describe the fundamental principles of randomised clinical trials
- Formulate a clear research question
- Choose and justify an appropriate trial design and comparison arm
- Appraise randomisation and blinding methods to minimise bias
- Calculate sample size and power requirements for different outcome types and common trial designs.
- Understand the key statistical principles specific to RCTs
- Incorporate pragmatic features, equity and efficiency into trial design
- Select appropriate data collection tools and illustrate data collection plan in a protocol
- Develop a risk assessment plan to inform trial governance and implementation
- Incorporating culturally responsive and equity-informed approaches to trial design and engagement
- Given a research idea, develop a concept note that can lead to an ethics-ready grant application or protocol

Program Curriculum

This program provides a comprehensive overview of the full lifecycle of randomized clinical trials (RCTs), from study design and methodology to analysis, ethics, and effective communication of research ideas and protocol. A detailed program agenda will be shared with registered participants. This 10-day training will cover:

- Principles and purpose of randomized clinical trials (RCTs)
- Developing research questions, objectives, and study rationale
- Key trial design elements, including control/ comparison arms, randomisation methods, allocation concealment, and blinding to minimise bias
- Defining eligibility criteria, study settings (with an equity lens), and outcome measures
- Trial endpoints and assessment strategies
- Sample size estimation and power calculations
- Ethical considerations, including participant safety, confidentiality, and rights
- Data collection tools and data management principles
- Statistical principles of analysing RCTs, including hypothesis testing, multiplicity, and defining analysis populations
- Development of statistical analysis plans aligned with study design
- Alternate trial designs including crossover, factorial, non-inferiority, and cluster RCTs
- Emerging approaches, including pragmatic, hybrid, platform, and adaptive trial designs
- Risk assessment for trial design, management, and governance
- Patient and community engagement, with a focus on equity and culturally responsive approaches
- Communication skills for impactful protocol presentations to diverse audiences
- Hands-on protocol development and applied statistical learning
- Faculty feedback and opportunities for peer learning and professional networking

Program Logistics

- Format : 10 Day Face to Face Immersive training
- Location : Sydney, Australia
- Dates : 21 September – 02 October 2026
- Registration Deadline : 29 June 2026
- Certification : Certificate of Completion from The George Institute for Global Health

Fees and Institutional Options

- Individual : AUD 7,500 excluding taxes
- Individual (Low- and Middle Income Countries) : AUD 6,900 excluding taxes
- Fee covers : Training, Learning resources, Lunch on training days
- Group discounts (up to 10%) available if 4 or more participants join from the same institution.

Call to Action

- Nominate a Team : Submit expressions of interest for priority departments.
- Individuals : Register now to secure a seat.
- Limited to 30 participants

Scan or register through the link:
www.events.humanitix.com/clinical-trial-design-immersion-a-hands-on-training

Testimonials and program impact

"High-quality clinical research comes from high-quality design and implementation; this training showed us exactly how to achieve both."

Listen directly from our participants

www.youtu.be/yGmTijoem-Y

www.youtu.be/kZrKBVnTeu8

Numbers tell a story of long-term impact

One year since we trained 120 clinicians from leading medical universities in our in-person intensive training, participants went on to:

Publish

178 peer-reviewed publications in Q1 and Q2 journals

Secured

19 national research grants

Overall, nearly

12% of institutional research output was generated by alumni of our training program!

Contact information

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